Inventor Search

10/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014659303 **Image available**
WPI Acc No: 2002-480007/200251
XRPX Acc No: N02-379059
Removable fixing device for neuro **implants, especially retina implants, has fixing head that allows implant to be removed from beneath it**
Patent Assignee: TD VERW GMBH (TDTD-N); INTELLIGENT IMPLANTS GMBH (INTE-N)
Inventor: **ECKMILLER R**
Number of Countries: 089 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200243631	A2	20020606	WO 2001EP14077	A	20011203	200251	B
DE 10060029	A1	20020613	DE 1060029	A	20001201	200251	
AU 200219150	A	20020611	AU 200219150	A	20011203	200264	

Priority Applications (No Type Date): DE 1060029 A 20001201
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200243631	A2	G	13	A61F-009/00	
DE 10060029	A1			A61F-002/14	
AU 200219150	A			A61F-009/00	Based on patent WO 200243631

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200243631 A2

NOVELTY - The head of the fixing device (3) extends over the implant (2) on the opposite side to the retina. The fixing device can be removed during the re-explanation or fixing process by pulling the microcontact foil beneath the head.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for (a) a fixing device with a head which extends over the implant surface and which can be pivoted, folded or pulled out in order to release the implant, and (b) a fixing device with a head which can be releasably secured in place by an anchor structure extending through the retina, pigment epithel and vein wall.

USE - None given.

ADVANTAGE - **Neuro** implants can be releasably fixed to retina tissue, enabling a defective implant to be replaced, or a more up to date implant to be inserted in place of the old one.

DESCRIPTION OF DRAWING(S) - Figure 1 shows a section of tissue from the retina with a microcontact film lying epiretinally on top of it, held in place by pivotable fixing devices.

Retina tissue section (1)
Microcontact film (2)
Fixing device (3)
Pivot arm (4)
Release position of pivot arm (5)
Movement of pivot arm into release position (6)
pp; 13 DwgNo 1/3

Title Terms: REMOVE; FIX; DEVICE; **NEURO** ; IMPLANT; RETINA; IMPLANT; FIX; HEAD; ALLOW; IMPLANT; REMOVE; BENEATH
Derwent Class: P32
International Patent Class (Main): A61F-002/14; A61F-009/00

File Segment: EngPI

10/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014172377 **Image available**
WPI Acc No: 2001-656605/200175
XRPX Acc No: N01-489484

Micro-contact structure for neuro **-prostheses for implantation on nerve tissue has multiple contacts on two dimensional carrier panel which can be folded**

Patent Assignee: INTELLIGENT IMPLANTS GMBH (INTE-N); TD VERW GMBH (TDTD-N); BECKER M (BECK-I); ECKMILLER R (ECKM-I); HUNERMANN R (HUNE-I)
Inventor: **BECKER M** ; **ECKMILLER R** ; HUENERMANN R; **HUNERMANN R**
Number of Countries: 031 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010037061	A1	20011101	US 2001771283	A	20010126	200175 B
DE 10020846	A1	20011206	DE 1020846	A	20000428	200203
WO 200183025	A1	20011108	WO 2000EP12713	A	20001214	200212
AU 200131589	A	20011112	AU 200131589	A	20001214	200222
EP 1276537	A1	20030122	EP 2000991189	A	20001214	200308
			WO 2000EP12713	A	20001214	
TW 478933	A	20020311	TW 2000127777	A	20010201	200309

Priority Applications (No Type Date): DE 1020846 A 20000428
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010037061	A1		8	A61B-005/04	
DE 10020846	A1			A61F-002/02	
WO 200183025	A1	G		A61N-001/05	
Designated States (National): AU BR CA IL JP KR MX NZ SG US					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR					
AU 200131589	A			A61N-001/05	Based on patent WO 200183025
EP 1276537	A1	G		A61N-001/05	Based on patent WO 200183025
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR					
TW 478933	A			A61F-002/00	

Abstract (Basic): US 20010037061 A1

NOVELTY - The micro-contact structure for **neuro** -prostheses has multiple contacts formed on a two dimensional carrier which has at least two regions which can move relative to one another. The regions can assume a base position and an operating position. The size of the micro-contact structure is collapsed during surgical transportation to the implant point my moving the relatively movable sections.

USE - For implantation at mammalian muscle tissue, or blood vessels or body organs

ADVANTAGE - Allows ease of positioning implant

DESCRIPTION OF DRAWING(S) - Drawing shows plan view of implant

pp; 8 DwgNo 1/4

Title Terms: MICRO; CONTACT; STRUCTURE; **NEURO** ; PROSTHESIS; IMPLANT; NERVE ; TISSUE; MULTIPLE; CONTACT; TWO; DIMENSION; CARRY; PANEL; CAN; FOLD
Derwent Class: P31; P32; P34
International Patent Class (Main): A61B-005/04; A61F-002/00; A61F-002/02; A61N-001/05
International Patent Class (Additional): A61F-002/14
File Segment: EngPI

10/5/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014141156 **Image available**
WPI Acc No: 2001-625367/200172
XRPX Acc No: N01-466125

Secure operating method for neuro -prosthesis in central nervous system within scull, by performing data transmission when authorisation signal transmitted from external to internal components is checked and accepted

Patent Assignee: INTELLIGENT IMPLANTS GMBH (INTE-N); TD VERW GMBH (TDTD-N)
Inventor: **BECKER M** ; **ECKMILLER R** ; HUENERMANN R; ORTMANN V
Number of Countries: 030 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200147598	A1	20010705	WO 2000EP6666	A	20000713	200172	B
AU 200068231	A	20010709	AU 200068231	A	20000713	200172	
DE 19962915	A1	20010906	DE 1062915	A	19991223	200172	
US 6493587	B1	20021210	US 2000635016	A	20000809	200301	
EP 1307258	A1	20030507	EP 2000956178	A	20000713	200332	
			WO 2000EP6666	A	20000713		

Priority Applications (No Type Date): DE 1062915 A 19991223
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200147598	A1	G	42	A61N-001/36	
	Designated States (National): AU BR CA CN IL JP KR MX NZ SG US				
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
AU 200068231	A			A61N-001/36	Based on patent WO 200147598
DE 19962915	A1			A61F-002/00	
US 6493587	B1			A61N-001/37	
EP 1307258	A1	G		A61N-001/36	Based on patent WO 200147598
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE				

Abstract (Basic): WO 200147598 A1

NOVELTY - At least one **neuro** -prosthesis component is implanted so that it is in contact with a nerve tissue or is associated with a nerve tissue in such a way that they interact. The **neuro** -prosthesis is only operated during the period of specific authorisation, and/or the system comprises an authorised data transmission between external components and implanted components, and/or an authorised communication for monitoring and/or fixing the **neuro** -prosthesis operating status, and/or the communication between the external and implanted components is encrypted.

USE - None given.

ADVANTAGE - Prevents unauthorised access to data.

DESCRIPTION OF DRAWING(S) - The drawing shows a protection system for a **neuro** -prosthesis.

pp; 42 DwgNo 1/5

Title Terms: SECURE; OPERATE; METHOD; **NEURO** ; PROSTHESIS; CENTRAL; NERVE; SYSTEM; SCULL; PERFORMANCE; DATA; TRANSMISSION; AUTHORISE; SIGNAL; TRANSMIT; EXTERNAL; INTERNAL; COMPONENT; CHECK; ACCEPT
Derwent Class: P34; S05; T01; W02
International Patent Class (Main): A61F-002/00; A61N-001/36; A61N-001/37
International Patent Class (Additional): A61N-001/372
File Segment: EPI; EngPI

10/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013967307 **Image available**

WPI Acc No: 2001-451521/200148

XRAM Acc No: C01-136298

Treatment of physiological disorders requiring anticoagulation therapy by inhibition of Factor Xa with a sulfonic acid or sulfonylamino N-(heteroaralkyl)-azaheterocyclylamide derivative

Patent Assignee: AVENTIS PHARMA DEUT GMBH (AVET)

Inventor: BARTON J N; **BECKER M R** ; CHOI-SLEDESKI Y M; EWING W R; GONG Y; GREEN D M; LEVELL J; PAULS H W

Number of Countries: 093 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200139759	A2	20010607	WO 2000EP11577	A	20001121	200148	B
AU 200117042	A	20010612	AU 200117042	A	20001121	200154	

Priority Applications (No Type Date): US 99453307 A 19991202

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200139759	A2	E	106	A61K-031/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200117042	A			A61K-031/00	Based on patent WO 200139759

Abstract (Basic): WO 200139759 A2

NOVELTY - A method for treating physiological disorders by inhibition of Factor Xa comprises administration of a diagnostic, cardioprotective, direct thrombin inhibiting, anticoagulant, antiplatelet or fibrinolytic agent with a sulfonic acid or sulfonylamino N-(heteroaralkyl)-azaheterocyclylamide derivative (I).

DETAILED DESCRIPTION - A method for treating physiological disorders by inhibition of Factor Xa comprises administration of a diagnostic, cardioprotective, direct thrombin inhibiting, anticoagulant, antiplatelet or fibrinolytic agent with a sulfonic acid or sulfonylamino N-(heteroaralkyl)-azaheterocyclylamide derivative of formula (I) or its salt or N-oxide.

Ar1=heteroaryl;

Z'=alkylenyl or substituted amide or amine derivative;

R1, R2, X1, X1a, X3, X4=H or optionally substituted (hetero)hydrocarbyl;

X2, X2a=H or=O; and

X5, X5a, X5b=amino, amido or sulfonamide derivative.

INDEPENDENT CLAIMS are also included for:

(1) compositions comprising a diagnostic, cardioprotective, direct thrombin inhibiting, anticoagulant, antiplatelet or fibrinolytic agent and a compound of formula (I); and

(2) a kit for carrying out the method.

ACTIVITY - Anticoagulant; cardiant; antianginal; thrombolytic; vasotropic; cerebroprotective; immunosuppressive; virucide; cytostatic; **neuroprotective** .

MECHANISM OF ACTION - Factor Xa inhibition.

7-methoxynaphthalene-2-sulfonic acid

(1-(1,6-diaminoisoquinolin-7-ylmethyl)-2-oxopyrrolidin-3-yl)-amide trifluoroacetate (Ia) showed a Ki of 80 nM.

USE - The method is useful for treating physiological disorders by inhibition of Factor Xa, including abnormal thrombus formation, acute myocardial infarction, unstable angina, thromboembolism, acute vessel closure associated with thrombolytic therapy or percutaneous transluminal coronary angioplasty, transient ischemic attacks, stroke, pathologic thrombus formation occurring in the veins of the lower extremities following abdominal, knee or hip surgery, risk of pulmonary thromboembolism or disseminated systemic intravascular coagulopathy occurring in vascular systems during septic shock, certain viral infections or cancer.

pp; 106 DwgNo 0/0

Title Terms: TREAT; PHYSIOLOGICAL; DISORDER; REQUIRE; ANTICOAGULANT; THERAPEUTIC; INHIBIT; FACTOR; ACID; N; DERIVATIVE

Derwent Class: B02; B03; D16

International Patent Class (Main): A61K-031/00

File Segment: CPI

10/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013707132 **Image available**

WPI Acc No: 2001-191356/200119

Related WPI Acc No: 2000-086312; 2000-422942

XRAM Acc No: C01-057286

New oxoazaheterocyclyl compounds useful are factor Xa inhibitors used for treating thrombotic complications and chronic and degenerative diseases

Patent Assignee: AVENTIS PHARM PROD INC (AVET); AVENTIS PHARM INC (AVET)

Inventor: **BECKER M R** ; BURNS C J; CHOI-SLEDESKI Y M; CONDON S M; DAVIS R S ;'EWING W R; HANNEY B A; HE W; JIANG J Z; LAU W F; LI A; MYERS M R; PAULS H W; POLI G B; SPADA A P

Number of Countries: 094 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200107436	A2	20010201	WO 2000IB1156	A	20000726	200119	B
AU 200064628	A	20010213	AU 200064628	A	20000726	200128	
BR 200013179	A	20020402	BR 200013179	A	20000726	200231	
			WO 2000IB1156	A	20000726		
CZ 200200323	A3	20020515	WO 2000IB1156	A	20000726	200241	
			CZ 2002323	A	20000726		
EP 1208097	A2	20020529	EP 2000951781	A	20000726	200243	
			WO 2000IB1156	A	20000726		
SK 200200118	A3	20021106	WO 2000IB1156	A	20000726	200281	
			SK 2002118	A	20000726		
HU 200203375	A2	20021228	WO 2000IB1156	A	20000726	200308	
			HU 20023375	A	20000726		
JP 2003508353	W	20030304	WO 2000IB1156	A	20000726	200319	
			JP 2001512520	A	20000726		

Priority Applications (No Type Date): US 99363196 A 19990728

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200107436	A2	E	459	C07D-403/06	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU	200064628	A		C07D-403/06	Based on patent WO 200107436
BR	200013179	A		C07D-403/06	Based on patent WO 200107436
CZ	200200323	A3		C07D-403/06	Based on patent WO 200107436
EP	1208097	A2	E	C07D-403/06	Based on patent WO 200107436

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

SK	200200118	A3		C07D-403/06	Based on patent WO 200107436
HU	200203375	A2		C07D-403/06	Based on patent WO 200107436
JP	2003508353	W	722	C07D-241/08	Based on patent WO 200107436

Abstract (Basic): WO 200107436 A2

NOVELTY - Oxoazaheterocyclyl compounds (I) are new.

DETAILED DESCRIPTION - Oxoazaheterocyclyl compounds of formula (I) and their salts, prodrugs, N-oxides, hydrates and solvates are new.

G1, G2=L1-Cy1 or L2-Cy2;

Cy1, Cy2=aryl, heteroaryl, cycloalkyl, cycloalkenyl, heterocyclyl, heterocyclenyl, fused arylcycloalkyl, fused aryl cycloalkenyl, fused aryl heterocyclyl, fused aryl heterocyclenyl, fused heteroarylcycloalkyl, fused heteroarylcycloalkenyl, fused heteroaryl heterocyclyl or fused heteroaryl heterocyclenyl (all optionally substituted);

L1=absent, O, NR5, S(P)p, S(O)pNR5, CXY, L3-Q-L4-Q'-L5, COYCXY, CXYCO, CONR5S(O)p or COCONR5S(O)p;

L2=absent or (CR7R8)q-Z-(CR9R10);

L3, L5=absent or alkylene, alkenylene or alkynylene (all optionally substituted);

L4=alkylene, alkenylene or alkynylene (all optionally substituted);

Q, Q'=absent, O, S, NR5, S(O)p, S(O)pNR5 or CXY;

A=CH or N;

R1, R1a, R2, R2a, R3, R3a, R4, R4a=H, carboxy, alkoxycarbonyl, Y1Y2NCO, or alkyl, aryl, aralkyl, heteroaryl or heteroaralkyl (all optionally substituted), or

R1 + R1a, R2 + R2a, R3 + R3a or R4 + R4a=O or S, or

CR1R2=cycloalkyl, cycloalkenyl, heteroaryl or heteroaralkyl (all optionally substituted) or cycloalkyl, cycloalkenyl, heterocyclyl, or heterocyclenyl; or

CR3R4=cycloalkyl, cycloalkenyl, heterocyclyl or heterocyclenyl, or

R1a, R2a=absent and

CR1R2=aryl or heteroaryl, or

R3a, R4a=absent and

CR3R4=aryl or heteroaryl or

one or more of the pairs CR1R1a, CR2R2a, CR3R3a or CR4R4a=3-7 membered cycloalkyl or cycloalkenyl, or

m, n=0-2, provided that m and n are not both 0 and provided that when R1 + R1a=O or S, n=1 and when R4 + R4a=O or S, m=1;

R5=H, R6O(CH2)v, R6O2C(CH2)x, Y1Y2NCO(CH2)x, Y1Y2N(CH2)v or alkyl, aralkyl or heteroaralkyl (all optionally substituted);

R6=H or alkyl, aralkyl or heteroaralkyl (all optionally substituted);

Y1, Y2=H or alkyl, alkoxy, aryloxy, aryl, aralkyl or heteroaralkyl (all optionally substituted); or

NY1Y2=monocyclic heterocyclyl;

R7-R10=H, OH, alkoxy or alkyl, aryl, heteroaryl, aralkyl or heteroaralkyl (all optionally substituted); provided that only one of R7 and R8 or R9 and R10=alkoxy or hydroxy and provided that when any of R7-R10=hydroxy or alkoxy, then the hydroxy or alkoxy is not alpha-substituted to an N, O or S in Z;

X=O or S;

Y=absent, O, S or NR5;

Z=absent, optionally substituted lower alkenylene or alkynylene or O, CO, S(O)p, NR5, NR5CO or CONR5;

x=1-4;

v=2-4;

p=1 or 2 and

q, r=0-3, provided that both are not 0;

L1=O, NR5, S(O)p, S(O)pNR5, CXY or L3-Q-L4-Q'-L5;

provided that:

(1) L1=and R3 + R3a=O or S, then R2, R2a=H, alkyl, aminoalkyl, alkylaminoalkyl, alkoxy, alkoxyalkyl, alkoxyaminoalkyl, cycloalkyl alkylamino, benzyloxyalkyl, isopropyl, amino methyl, methoxyethyl aminomethyl, piperazine, pyrrolidine, ethoxymethyl, benzyloxymethyl, methoxymethyl, isobutyl, isopropylamino or isopropylaminomethyl; provided that R2 and R2a are not both H;

(2) when L1=O, NR5, S(O)p, S(O)pNR5, CXY or L3-Q-L4-Q'-L5 and R3 + R3a=O or S, then R4 + R4a=O or S;

(3) when L1=O, NR5, S(O)p, S(O)pNR5, CXY or L3-Q-L4-Q'-L5 and R3 + R3a=O or S, then Cy1=thiophen-isoxazole, thiophene-pyrazole, thiophene-oxadiazole, thiophene-thiadiazole, thiophene-triazole, thiophene-pyridine or phenyl-triazole and Cy2=aminoquinazoline or pyrrolo-pyridine;

(4) when L1=O, NR5, S(O)p, S(O)pNR5, CXY or L3-Q-L4-Q'-L5, then CR1R2=cycloalkyl, cycloalkenyl, heterocyclyl or heterocyclenyl; or CR3R4=cycloalkyl, cycloalkenyl, heterocyclyl or heterocyclenyl; or R1a and R2a are absent and CR1R2=aryl or heteroaryl; or R3a and R4a are absent and CR3R4=aryl or heteroaryl; or one or more of the pairs CR1R1a, CR2R2a, CR3R3a or CR4R4a=3-7 membered cycloalkyl or cycloalkenyl;

(5) when L1=O, NR5, S(O)p, S(O)pNR5, CXY or L3-Q-L4-Q'-L5, then R1, R1a, R2, R2a, R3, R3a, R4, R4a=Y1Y2NCO and Y1, Y2=H, or optionally substituted alkoxy or aryloxy, but Y1 and Y2 are not both H or

(6) when L1=O, NR5, S(O)p, S(O)pNR5, CXY or L3-Q-L4-Q'-L5, then Z=CO and

(7) when R1 and R1a or R4 and R4a=O or S, then G1=L2-Cy2 and G2=L1-Cy1, or

(8) when R2 and R2a or R3 and R3a=O or S, then G1=L1-Cy1 and G2=L2-Cy2.

ACTIVITY - Anticoagulant; thrombolytic; antirheumatic; antiarthritic; cytostatic; antiarteriosclerotic; nootropic. **neuroprotective** .

Activity tests, such as experimental in vivo rabbit venous thrombosis model, are described but no results are given.

MECHANISM OF ACTION - Factor Xa inhibitor.

USE - Useful for treating thrombotic complications. Inhibition of factor Xa is useful not only in anticoagulation therapy but whenever inhibition of blood coagulation is required such as to prevent coagulation of stored blood. Factor Xa inhibitors may also be used for the treatment or prevention of chronic and degenerative diseases such as arthritis, cancer, atherosclerosis and Alzheimer's disease.

pp; 459 DwgNo 0/0

Title Terms: NEW; COMPOUND; USEFUL; FACTOR; INHIBIT; TREAT; THROMBUS; COMPLICATED; CHRONIC; DEGENERATE; DISEASE

Derwent Class: B02; B03

International Patent Class (Main): C07D-241/08; C07D-403/06

International Patent Class (Additional): A61K-031/495; A61K-031/496; A61K-031/498; A61K-031/502; A61K-031/506; A61K-031/517; A61K-031/519; A61K-031/5377; A61P-007/02; A61P-009/02; A61P-009/04; A61P-009/10; A61P-019/02; A61P-025/28; A61P-035/00; A61P-041/00; A61P-043/00; C07D-401/06; C07D-401/14; C07D-403/14; C07D-405/14; C07D-409/06; C07D-409/12; C07D-409/14; C07D-413/14; C07D-417/14; C07D-471/04; C07D-491/04; C07D-495/04

File Segment: CPI

10/5/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012914476 **Image available**
WPI Acc No: 2000-086312/200007
Related WPI Acc No: 2000-422942; 2001-191356
XRAM Acc No: C00-023997

New heterocyclyl compounds are factor Xa inhibitors useful for treating unstable angina, stroke, etc.

Patent Assignee: AVENTIS PHARM PROD INC (AVET); RHONE-POULENC RORER PHARM INC (RHON); AVENTIS PHARM INC (AVET)
Inventor: **BECKER M R** ; BURNS C J; CHOI-SLEDESKI Y M; CONDON S M; DAVIS R S ; EWING W R; HANNEY B A; HE W; JIANG J Z; LAU W F; LI A; MYERS M R; PAULS H W; POLI G B; SPADA A P; JIANG J; CHOISLEDESKI Y M; DAVIES R S
Number of Countries: 082 Number of Patents: 014
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9937304	A1	19990729	WO 99US1682	A	19990127	200007	B
AU 9926533	A	19990809	AU 9926533	A	19990127	200007	
ZA 9900607	A	19991027	ZA 99607	A	19990127	200007	
BR 9907300	A	20001024	BR 997300	A	19990127	200058	
			WO 99US1682	A	19990127		
EP 1051176	A1	20001115	EP 99906684	A	19990127	200059	
			WO 99US1682	A	19990127		
NO 200003808	A	20000926	WO 99US1682	A	19990127	200061	
			NO 20003808	A	20000725		
CZ 200002728	A3	20001115	WO 99US1682	A	19990127	200064	
			CZ 20002728	A	19990127		
SK 200001108	A3	20010118	WO 99US1682	A	19990127	200108	
			SK 20001108	A	19990127		
CN 1291892	A	20010418	CN 99803501	A	19990127	200141	
JP 2002501024	W	20020115	WO 99US1682	A	19990127	200207	
			JP 2000528286	A	19990127		
AU 745425	B	20020321	AU 9926533	A	19990127	200233	
HU 200101810	A2	20020429	WO 99US1682	A	19990127	200238	
			HU 20011810	A	19990127		
NZ 505960	A	20020830	NZ 505960	A	19990127	200265	
			WO 99US1682	A	19990127		
MX 2000007250	A1	20011101	MX 20007250	A	20000725	200279	

Priority Applications (No Type Date): US 9872707 P 19980127
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9937304	A1	E	298	A61K-031/505	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9926533	A				Based on patent WO 9937304
ZA 9900607	A		349	A61K-000/00	
BR 9907300	A			A61K-031/505	Based on patent WO 9937304
EP 1051176	A1	E		A61K-031/505	Based on patent WO 9937304

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

NO 200003808	A			C07C-409/12	

CZ 200002728	A3		C07D-419/00	Based on patent WO 9937304
SK 200001108	A3		A61K-031/505	
CN 1291892	A		A61K-031/505	
JP 2002501024	W	492	C07D-401/12	Based on patent WO 9937304
AU 745425	B		A61K-031/505	Previous Publ. patent AU 9926533 Based on patent WO 9937304
HU 200101810	A2		C07C-409/14	Based on patent WO 9937304
NZ 505960	A		C07D-409/14	Based on patent WO 9937304
MX 2000007250	A1		A61K-031/505	

Abstract (Basic): WO 9937304 A1

NOVELTY - Novel substituted oxoazaheterocyclyl compounds are factor Xa inhibitors useful for treating acute myocardial infarction, thrombus formation and cancer

DETAILED DESCRIPTION - Substituted oxoazaheterocyclyl compounds of formula (I) and their salts, prodrugs, N-oxides, hydrates and solvates are new.

G1,G2=L1-Cy1 or L2-Cy2; provided that when R1 and R1a or R4 and R4a=O or S, then G1=L2-Cy2 and G2=L1-Cy1, or when R2 + R2a R3 and R3a=O or S, then G1=L1-Cy, and G2=L2-Cy2;

Cy1, Cy2=aryl, heteroaryl, cycloalkyl, cycloalkenyl, heterocyclyl, heterocyclenyl, fused aryl cycloalkyl, fused arylcycloalkenyl, fused arylheterocyclyl, fused aryl heterocyclenyl, fused heteroarylcycloalkyl, fused heteroaryl cycloalkenyl, fused heteroarylheterocyclyl or fused heteroaryl heterocyclenyl (all optionally substituted);

L1=O, NR5, S(O)p, S(O)pNR5, C(X)Y or L3-Q-L4-Q'-L2;

L3, L5=a bond or alkylene, alkenylene or alkynylene (all optionally substituted;

L4=alkylene, alkenylene or alkynylene (all optionally substituted);

Q, Q'=absent, O, S, NR5, S, S(O)pNR5 or C(X)Y;

A=CH or N;

R1-R4, R1a-R4a=H, carboxy, alkoxycarbonyl, Y1Y2NCO or alkyl, aryl, aralkyl, heteroaryl or heteroaralkyl (all optionally substituted); or

R1 + R1a, R2 + R2a, R3 + R3a, R4 + R4a=O or S;

m, n=0-2; provided that both are not O; that when R1 + R1a=O or S, n=1; and when R4 + R4a=O or S, m=1;

L2=absent or (CR7R8)q-Z-(CR9R10)r;

R5=H, R6O(CH2)v, R6O2C(CH2)x, Y1Y2NCO(CH2)x, Y1Y2N(CH2)v or alkyl, aralkyl or heteroaralkyl (all optionally substituted);

R6=H or alkyl, aralkyl, or heteroaralkyl (all optionally substituted);

Y1, Y2=H or alkyl, aryl, aralkyl or heteroaralkyl (all optionally substituted); or

NY1Y2=monocyclic heterocyclyl;

R7-R10=H, OH, alkoxy or alkyl, aryl, heteroaryl, aralkyl or heteroaralkyl (all optionally substituted); provided that only one of R7 and R8 or one of R9 and R10=OH, or alkoxy; and that when R7-R10=or alkoxy, then the OH or alkoxy is not alpha-substituted to N, O or S in Z;

X=O or S;

Y=absent, O, S or NR5;

Z=absent, O, S(O)p, NR5, NR5CO, CONR5 or lower alkenylene or lower alkynylene (both optionally substituted);

x=1-4;

v=2-4;

p=1 or 2;

q, r=0-3; provided that both are not O.

An INDEPENDENT CLAIM is included for intermediates of formula (II).

R1'-R4', R1a'-R4a'=H, carboxy, alkoxycarbonyl, Y1Y2NCO or alkyl, aryl, aralkyl, heteroaryl or heteroaralkyl (all optionally

substituted);
P=H or N-protecting group
L2'=(CR7R8)q-Z-(CR9R10)r.
ACTIVITY - Vasotropic; Thrombolytic; Anticoagulant; Antianginal; Cardiant; Cerebroprotective; Immunosuppressive; Antibacterial; Virucide; Cytostatic; Antiarthritic; Antiarteriosclerotic; **Neuroprotective** ; Nootropic.
MECHANISM OF ACTION - Factor-X-Inhibitor (claimed). Both the activity of free Factor Xa and Factor Xa assembled in the prothrombinase complex (Factor, Xa, Factor Va, calcium and phospholipid) and inhibited by (I).
Assays are described, but no results are given.
USE - (I) are useful for treating conditions capable of being modulated by inhibiting activity of Factor Xa such as venous vasculature, arterial vasculature, abnormal thrombus formation, acute myocardial infarction, unstable angina, thromboembolism, acute vessel closure associated with thrombolytic therapy, percutaneous transluminal coronary angioplasty, transient ischemic attacks, stroke, intermittent claudication or bypass grafting of the coronary or peripheral arteries, vessel luminal narrowing, restenosis post coronary or venous angioplasty, maintenance of vascular access patency in long-term hemodialysis patients, pathologic thrombus formation occurring in the veins of the lower extremities following abdominal, knee and hip surgery, a risk of pulmonary thromboembolism, or disseminated systemic intravascular coagulopathy occurring in vascular systems during septic shock, certain viral infections or cancer (claimed). (I) may also be used for treating chronic and degenerative diseases such as arthritis, atherosclerosis and Alzheimer's disease and abnormal proliferation of cells.
pp; 298 DwgNo 0/0
Title Terms: NEW; HETEROCYCLE; COMPOUND; FACTOR; INHIBIT; USEFUL; TREAT; UNSTABLE; ANGINA; STROKE
Derwent Class: B02; B03
International Patent Class (Main): A61K-000/00; A61K-031/505; C07C-409/12; C07C-409/14; C07D-401/12; C07D-409/14; C07D-419/00
International Patent Class (Additional): A61K-031/4365; A61K-031/437; A61K-031/495; A61K-031/496; A61K-031/517; A61P-007/00; A61P-007/02; A61P-009/10; A61P-019/02; A61P-025/28; A61P-035/00; A61P-043/00; C07C-401/12; C07D-241/18; C07D-401/04; C07D-401/14; C07D-403/04; C07D-403/06; C07D-403/14; C07D-405/04; C07D-409/04; C07D-409/06; C07D-409/12; C07D-413/14; C07D-417/14; C07D-441/08; C07D-471/04; C07D-491/04; C07D-495/04; C07D-519/00; C07D-471-04; C07D-495-04
File Segment: CPI

10/5/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012851474
WPI Acc No: 2000-023306/200002
XRAM Acc No: C00-005678
Improved preparation of carbocyclic compounds
Patent Assignee: GILEAD SCI INC (GILE-N); SOUTHCO INC (SOUT-N)
Inventor: **BECKER M W** ; CHAPMAN H H; KELLY D E; KENT K M; LEW W; LOUIE M S; MCGEE L R; POSTICH M J; PRISBE E J; ROHLOFF J C; SCHULTZE L M; YU R H; ZHANG L
Number of Countries: 086 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9955664	A1	19991104	WO 99US7378	A	19990423	200002	B

AU 9936376 A 19991116 AU 9936376 A 19990423 200015
KR 2001034875 A 20010425 KR 2000713006 A 20001120 200164

Priority Applications (No Type Date): US 9882994 P 19980424; US 9882994 A 19980522; US 99274858 A 19990323
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 9955664 A1 E 69 C07C-247/14
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW
AU 9936376 A Based on patent WO 9955664
KR 2001034875 A F16B-021/00

Abstract (Basic): WO 9955664 A1

NOVELTY - Process comprises one, or sequential combinations, of preparations of compounds.

DETAILED DESCRIPTION - Process comprises preparations (14) of 3,4-isopropylidenel,5-quinic lactone (305 or 100); (15) ethyl-(-)-3,4-isopropylidene quinate (307 or 101); (16) ethyl-(-)-3,4-isopropylidene-5-O-methanesulfonyl quinate (308 or 102); (17) ethyl-3,4-O-isopropylidene-5-O-methanesulfonyl Shikimate (309 or 104); (18) ethyl-3,4-O-isopropylidene-5-O-methanesulfonyl Shikimate (300 or 107); (19) ethyl-3-O-(1-ethylpropyl)-5-O-methansulfonyl Shikimate (301 or 108); (20) ethyl (3R,4R,5S)-4,5-epoxy-3-(1-ethylpropoxy)-1-cyclohexane-1-carboxylate (304 or 110); (21) ethyl (3R,4R,5S)-5-azido-3-(1-ethylpropoxy)-4-hydroxy-cyclohexene-1-carboxylate (313 or 112); (22) ethyl (3R,4R,5S)-4,5-imino-3-(1-ethylpropoxy)-1-cyclohexane-1-carboxylate (315 or 113); (23) ethyl (3R,4R,5S)-4-amino-5-azido-3-(1-ethylpropoxy)-1-cyclohexene-1-carboxylate (316 or 114); (24) ethyl (3R,4R,5S)-4-acetamido-5-azido-3-(1-ethylpropoxy)-1-cyclohexene-1-carboxylate (317 or 115) and/or (25) ethyl (3R,4R,5S)-4-acetamido-5-azido-3-(1-ethylpropoxy)-1-cyclohexene-1-carboxylate phosphate (1:1) (116.H3PO4).

USE - Used for preparing carbocyclic compounds. Used to prepare intermediates for synthesis of **neuraminidase** inhibitors. Used to prepare products useful as monomers for synthesis of polymers with unique pendent functionalities, including polyamides, polyesters and mixed polyester-polyamides, for use as cation exchange agents, in preparation of molecular sieves, textiles, fibers, films and formed articles, as well as to prepare polyfunctional surfactants with useful surfactant, surface coating, emulsion modifying, rheology modifying and surface-wetting properties. Used to produce polyfunctional compounds with defined geometries carrying simultaneously polar and non-polar groups for use as phase-transfer agents for phase-transfer catalysis and liquid/liquid ion extraction. Used to produce compounds optionally containing asymmetric carbon atoms for use as chiral auxiliaries in synthesis or resolution of optically active materials such as in resolution of carboxylic acid racemic mixture. Used to produce linkers or spacers in preparing affinity absorption matrices, immobilized enzymes for process control or immunoassay reagents. Used to produce products for crosslinking with affinity reagents such as hormones, peptides, antibodies, drugs and insoluble substrates to absorb binding partners for affinity reagents from manufactured preparations,

diagnostic samples and other impure mixtures and to easily recover immobilized enzymes following catalytic conversions.

ADVANTAGE - Improves preparations of (100), (101), (102), (104), (107), (108), (110), (111), (113), (115), (116), phosphate salt of (116) and hydrochloride salt of (116) (claimed).

pp; 69 DwgNo 0/0

Title Terms: IMPROVE; PREPARATION; CARBOCYCLIC; COMPOUND
Derwent Class: B02; B05; Q47; Q61
International Patent Class (Main): C07C-247/14; F16B-021/00
International Patent Class (Additional): C07D-317/48
File Segment: CPI; EngPI

10/5/8 (Item 8 from file: 350)

012126555 **Image available**
WPI Acc No: 1998-543467/199847
XRPX Acc No: N98-423049

Apparatus for promoting selective stimulation of defective retina - employs portable laser and video prosthetic in form of conventional spectacles which cause laser beam to stimulate relevant neuron **groups**

Patent Assignee: BECKER M (BECK-I)
Inventor: **BECKER M**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19713612	A1	19981015	DE 1013612	A	19970402	199847	B

Priority Applications (No Type Date): DE 1013612 A 19970402
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19713612	A1		8	A61F-009/08	

Abstract (Basic): DE 19713612 A

An apparatus for selectively stimulating one or a number of nerve cells in the defective retina of a human eye employs a portable laser source whose beam is projected onto the retina via the natural lens of the eye.

The laser unit and system controller can be conveniently carried in a small container at the waist with connections made by coaxial and fibre-optics cables to a prosthetic assembly in the form of conventional spectacles.

These incorporate a photosensor array for detecting the wearer's forward environment, a fixed focusing mirror and a beam steering reflector responding to signals from a pupil position sensor which combine to regulate stimulation of the appropriate retinal **neurons** .

USE - Provides retinal stimulation in situations where disease has impaired efficient functioning.

ADVANTAGE - Is able to be more precise in terms of effect on individual cells or small groups of cells then current systems employing electrical stimulation via electrodes. Does not require expense and risks of invasive surgery which attends implantation of micro-photodiodes.

Dwg.2/4

Title Terms: APPARATUS; PROMOTE; SELECT; STIMULATING; DEFECT; RETINA; EMPLOY; PORTABLE; LASER; VIDEO; PROSTHESIS; FORM; CONVENTION; SPECTACLE; CAUSE; LASER; BEAM; STIMULATING; RELEVANT; **NEURON** ; GROUP
Derwent Class: P32; P34; S05
International Patent Class (Main): A61F-009/08

International Patent Class (Additional): A61N-005/06
File Segment: EPI; EngPI

10/5/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

012040911 **Image available**
WPI Acc No: 1998-457821/199840
XRPX Acc No: N98-357358
Encoder for visual neuroprosthetic **providing active vision. - uses adjustable receptive field characteristic filters inserted in signal path between photosensor array and implanted stimulation and registration interface**
Patent Assignee: INTELLIGENT IMPLANTS GMBH (INTE-N); TD VERW GMBH (TDTD-N); ECKMILLER R (ECKM-I); IIP TECHNOLOGIES GMBH (IIPT-N)
Inventor: **ECKMILLER R**
Number of Countries: 075 Number of Patents: 024
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19707046	A1	19980827	DE 1007046	A	19970221	199840	B
WO 9836793	A2	19980827	WO 98EP971	A	19980220	199840	
WO 9836795	A1	19980827	WO 98EP968	A	19980220	199840	
WO 9837691	A1	19980827	WO 98EP970	A	19980220	199840	
AU 9864990	A	19980909	AU 9864990	A	19980220	199905	
AU 9867223	A	19980909	AU 9867223	A	19980220	199905	
AU 9868220	A	19980909	AU 9868220	A	19980220	199905	
EP 969896	A2	20000112	EP 98913568	A	19980220	200008	
			WO 98EP971	A	19980220		
DE 19880174	T	20000105	DE 1080174	A	19980220	200009	
			WO 98EP970	A	19980220		
EP 971770	A1	20000119	EP 98912345	A	19980220	200009	
			WO 98EP968	A	19980220		
BR 9807260	A	20000502	BR 987260	A	19980220	200033	
			WO 98EP971	A	19980220		
BR 9807847	A	20000829	BR 987847	A	19980220	200046	
			WO 98EP968	A	19980220		
MX 9907727	A1	20000401	MX 997727	A	19990820	200124	
MX 9907732	A1	20000401	MX 997732	A	19990820	200124	
AU 732190	B	20010412	AU 9867223	A	19980220	200128	
KR 2000075557	A	20001215	WO 98EP968	A	19980220	200131	
			KR 99707617	A	19990821		
KR 2000075560	A	20001215	WO 98EP971	A	19980220	200131	
			KR 99707620	A	19990821		
JP 2001511687	W	20010814	JP 98536262	A	19980220	200154	
			WO 98EP971	A	19980220		
JP 2001523989	W	20011127	JP 98536259	A	19980220	200204	
			WO 98EP968	A	19980220		
US 6400989	B1	20020604	WO 98EP968	A	19980220	200242	
			US 2000367030	A	20000530		
AU 747686	B	20020516	AU 9868220	A	19980220	200244	
NZ 337366	A	20020628	NZ 337366	A	19980220	200252	
			WO 98EP968	A	19980220		
NZ 337392	A	20020628	NZ 337392	A	19980220	200252	
			WO 98EP971	A	19980220		
US 6530954	B1	20030311	WO 98EP971	A	19980220	200321	
			US 2000367138	A	20000229		

Priority Applications (No Type Date): DE 1007046 A 19970221
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19707046	A1		17	A61F-002/02	
WO 9836793	A2	G		A61N-001/00	
Designated States (National): AM AT AU BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GM GW HU IL JP KE KG KP KR KZ LC LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TT UA US UZ VN YU ZW					
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
WO 9836795	A1	G		A61N-001/36	
Designated States (National): AM AT AU BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GM GW HU IL JP KE KG KP KR KZ LC LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TT UA US UZ VN YU ZW					
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
WO 9837691	A1	G		H04N-005/232	
Designated States (National): AM AT AU BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GM GW HU IL JP KE KG KP KR KZ LC LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TT UA US UZ VN YU ZW					
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW					
AU 9864990	A			H04N-005/232	Based on patent WO 9837691
AU 9867223	A			A61N-001/36	Based on patent WO 9836795
AU 9868220	A			A61N-001/00	Based on patent WO 9836793
EP 969896	A2	G		A61N-001/00	Based on patent WO 9836793
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE SI					
DE 19880174	T			H04N-005/232	Based on patent WO 9837691
EP 971770	A1	G		A61N-001/36	Based on patent WO 9836795
Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE SI					
BR 9807260	A			A61N-001/00	Based on patent WO 9836793
BR 9807847	A			A61F-002/02	Based on patent WO 9836795
MX 9907727	A1			A61N-001/00	
MX 9907732	A1			A61N-001/36	
AU 732190	B			A61N-001/36	Previous Publ. patent AU 9867223 Based on patent WO 9836795
KR 2000075557	A			A61N-001/36	Based on patent WO 9836795
KR 2000075560	A			A61N-001/00	Based on patent WO 9836793
JP 2001511687	W		25	A61N-001/36	Based on patent WO 9836793
JP 2001523989	W		34	A61F-009/08	Based on patent WO 9836795
US 6400989	B1			A61N-001/18	Based on patent WO 9836795
AU 747686	B			A61N-001/00	Previous Publ. patent AU 9868220 Based on patent WO 9836793
NZ 337366	A			G06F-017/00	Based on patent WO 9836795
NZ 337392	A			A61N-001/36	Based on patent WO 9836793
US 6530954	B1			A61F-002/02	Based on patent WO 9836793

Abstract (Basic): DE 19707046 A

The encoder has the signals provided by a photosensor array fed to a stimulation and registration interface, provided by an implanted microcontact structure, via adjustable receptive field characteristic filters. The latter receive signals provided by the stimulation and registration interface, for providing an active vision function. The photosensor array may be incorporated in a spectacles frame, with image tracking movement controlled via head and eye movement detectors.

USE - For **neuroprosthetic** retina implant for blind patient, for night vision etc.

ADVANTAGE - Autonomous object detection and following.

Dwg.1/3

Title Terms: ENCODE; VISUAL; ACTIVE; VISION; ADJUST; RECEPTIVE; FIELD; CHARACTERISTIC; FILTER; INSERT; SIGNAL; PATH; PHOTOSENSOR; ARRAY; IMPLANT

; STIMULATING; REGISTER; INTERFACE
Derwent Class: P32; P34; S05; T01; W03; W04
International Patent Class (Main): A61F-002/02; A61F-009/08; A61N-001/00; A61N-001/18; A61N-001/36; G06F-017/00; H04N-005/232
International Patent Class (Additional): A61F-002/14; A61F-002/18; A61F-002/48; A61F-011/04; A61N-001/08; G05B-015/02; G06F-015/18; G06F-019/00; H04N-005/14
File Segment: EPI; EngPI

10/5/10 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00954399 **Image available**
METHOD FOR WEAVING AN AIRBAG
PROCEDE DE TISSAGE D'UN SAC GONFLABLE
VERFAHREN ZUM WEBEN EINES LUFTSACKS
Patent Applicant/Assignee:
BERGER SEIBA-TECHNOTEX VERWALTUNGS GMBH & CO, Ballyweg 5, 79713 Bad Sackingen, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ESCHBACH Thomas, Rheinpromenade 10, 79790 Rheinheim, DE, DE (Residence), DE (Nationality), (Designated only for: US)
BECKER Michael , Adelsberg 11, 79669 Zell im Wiesental, DE, DE (Residence), DE (Nationality), (Designated only for: US
Legal Representative:
FISCHER Matthias (et'al) (agent), Wolfratshauser Strasse 145, 81479 Munchen, DE,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200288443 A1 20021107 (WO 0288443)
Application: WO 2002EP3629 20020402 (PCT/WO EP0203629)
Priority Application: DE 10115890 20010330
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: D03D-001/02
International Patent Class: B60R-021/16
Publication Language: German
Filing Language: German
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 1918

English Abstract
Disclosed is a method for weaving a single-pieced airbag (2) or air tube consisting of at least two layers on a mechanical loom, characterized in that weft yarns of different strengths are woven in at least one layer.

French Abstract
L'invention concerne un procede de tissage d'un sac gonflable (2) ou d'une chambre a air bicouche d'une seule piece sur un metier a tissier, ledit procede etant caracterise en ce que, dans une couche au moins, des fils de trame de grosseurs differentes sont tisses.

German Abstract

Es wird Verfahren zum Weben eines wenigstens zweilagigen, einstuckigen Luftsacks (2) oder Luftschlauchs auf einer Webmaschine vorgeschlagen, das durch gekennzeichnet ist, dass in wenigstens einer Lage Schussfaden unterschiedlicher Starken verwebt werden.

Legal Status (Type, Date, Text)

Publication	20021107	A1 With international search report.
Publication	20021107	A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination	20021219	Request for preliminary examination prior to end of 19th month from priority date

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Set     Items   Description
S1         19   AU='ECKMILLER R':AU='ECKMILLER ROLF PROF DR'
S2          5   AU='HUNERMANN R':AU='HUNERMANN RALPH'
S3        357   AU='BECKER M':AU='BECKER M L'
S4         44   AU='BECKER M M':AU='BECKER M W'
S5         90   AU='BECKER MICHAEL':AU='BECKER MICHAEL HEINRICH'
S6         52   AU='BECKER MICHAEL J':AU='BECKER MICHAEL WILLIAM'
S7        555   S1:S6
S8         17   S7 AND (NEURA? OR NEURO? OR BRAIN?)
S9         17   IDPAT (sorted in duplicate/non-duplicate order)
S10        10   IDPAT (primary/non-duplicate records only)
S11       112   AU='WYATT J':AU='WYATT J R'
S12        13   E13,E20:E24
S13         4   AU='WYATT JOHN T':AU='WYATT JOHN THEODORE'
S14       129   S11:S13
S15        13   S14 AND (NEURO? OR NEURA? OR BRAIN?)
S16        13   IDPAT (sorted in duplicate/non-duplicate order)
S17        11   IDPAT (primary/non-duplicate records only)
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